

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P642297

Luminaire Tested: GWS-SA6C-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22737.4 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

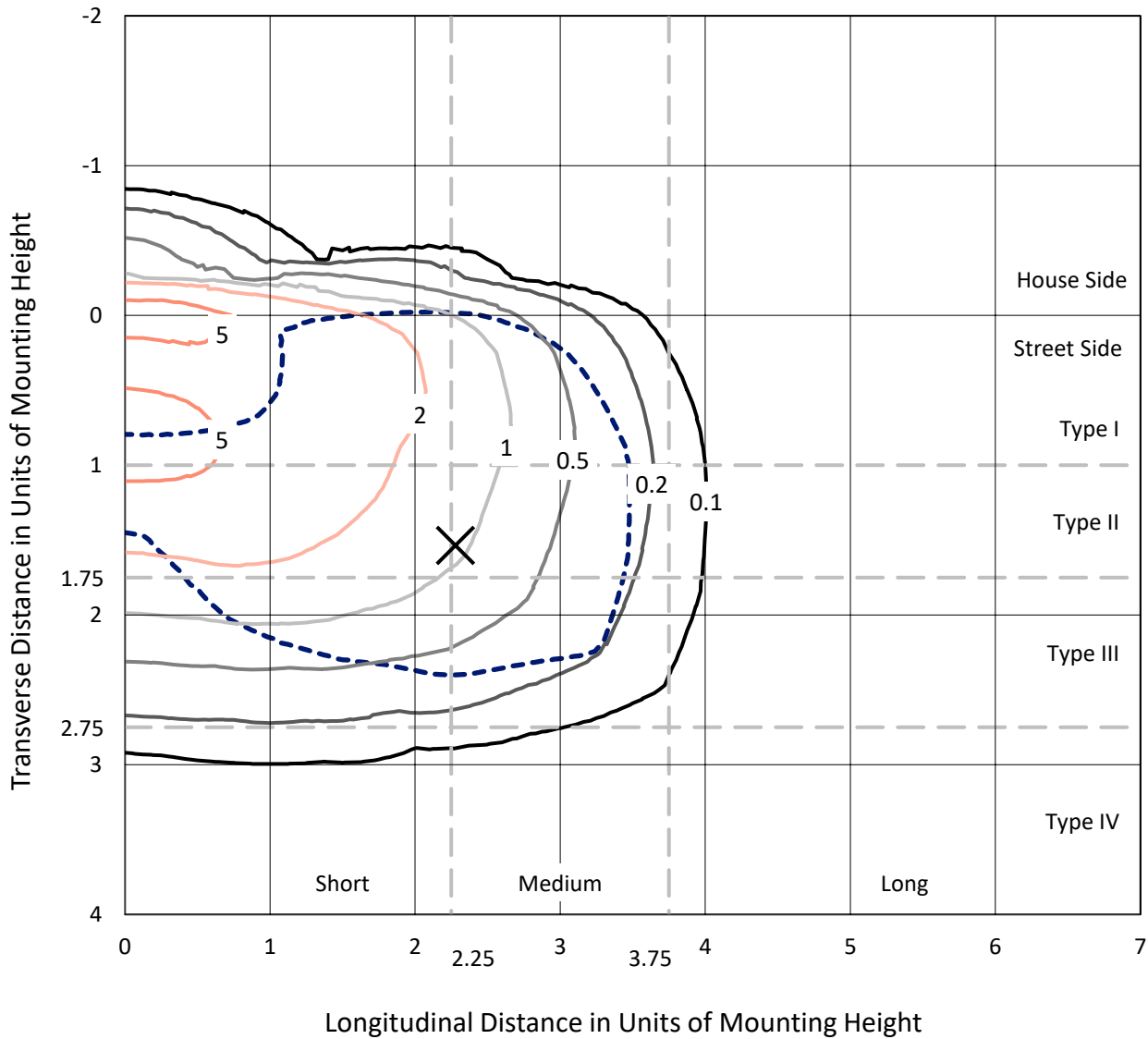
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

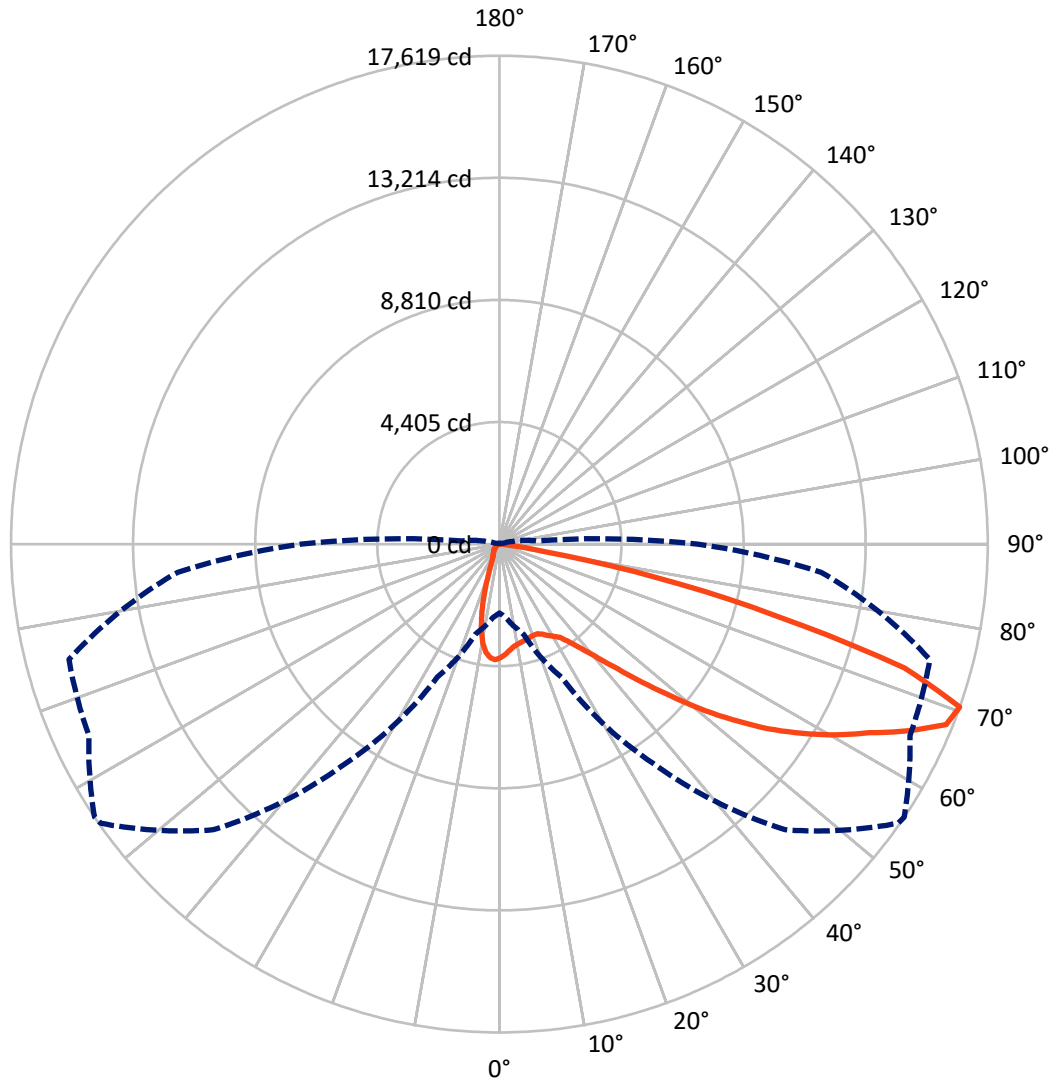
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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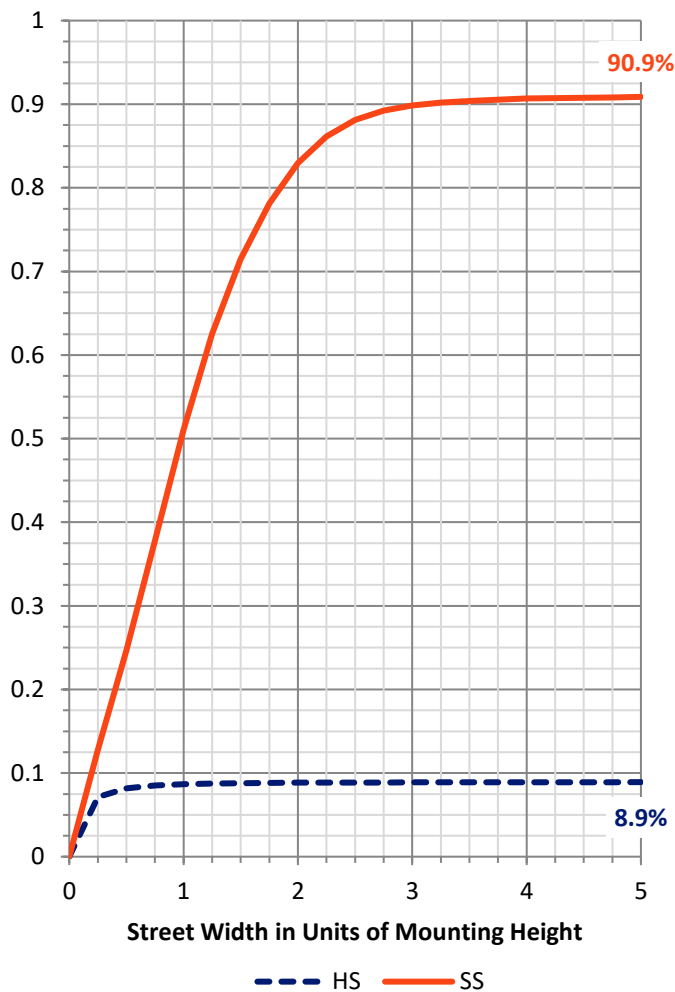
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2042.3	0.0	2042.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	20695.1	0.0	20695.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	22737.4	0.0	22737.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.0	1.5
10°-20°	791.7	3.5
20°-30°	1254.0	5.5
30°-40°	2162.6	9.5
40°-50°	3651.9	16.1
50°-60°	5365.8	23.6
60°-70°	6361.4	28.0
70°-80°	2712.8	11.9
80°-90°	85.2	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22737.4	100.0
0°-180°	22737.4	100.0

Coefficient of Utilization



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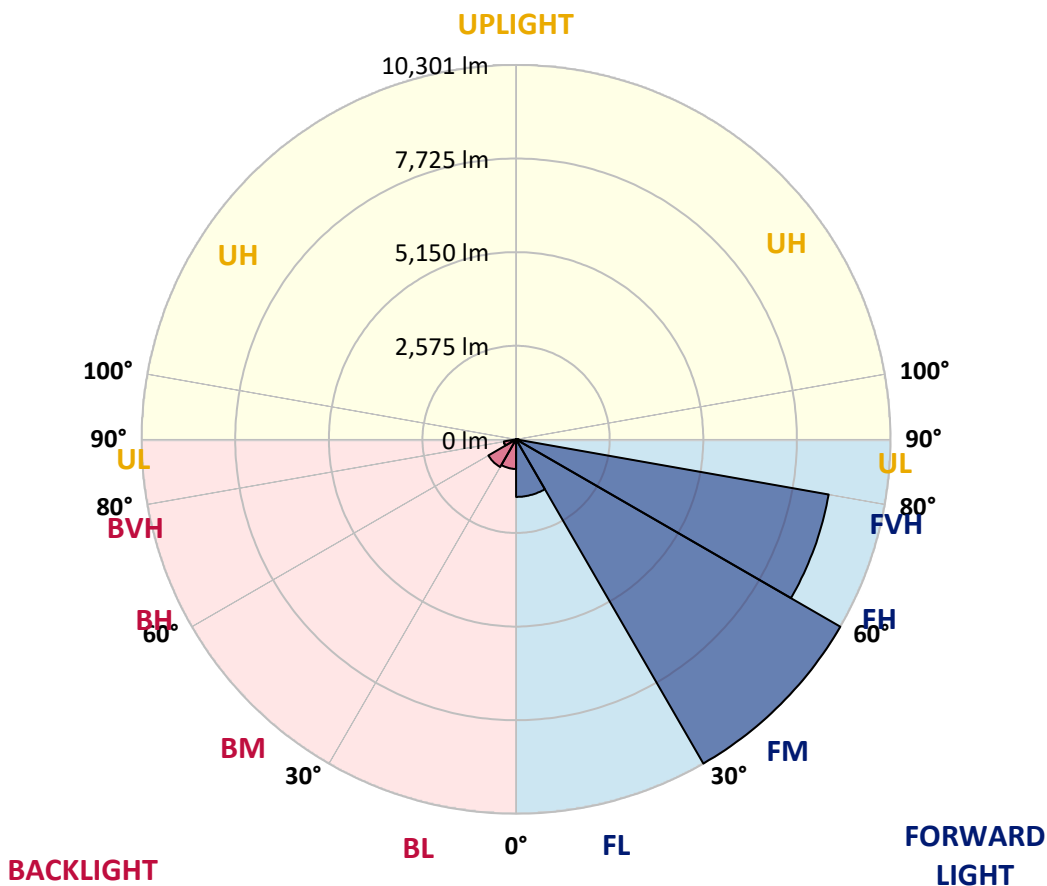
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1584.4	7.0			
FM (30°-60°)	10300.6	45.3			
FH (60°-80°)	8733.6	38.4			G4/12000
FVH (80°-90°)	76.5	0.3			G1/100
BL (0°-30°)	813.3	3.6	B2/1000		
BM (30°-60°)	879.6	3.9	B1/1000		
BH (60°-80°)	340.6	1.5	B1/500		G1/500
BVH (80°-90°)	8.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8
2.5°	3816.6	3810.4	3814.5	3845.8	3904.1	3931.1	3976.9	3985.3	4022.7	4070.6	4089.4
5°	3568.8	3548.0	3558.4	3602.1	3668.8	3743.7	3829.1	3852.0	3945.7	4051.9	4131.0
7.5°	3341.9	3319.0	3344.0	3412.7	3506.4	3587.6	3714.6	3729.2	3879.1	4066.5	4210.1
10°	2985.8	2992.1	3042.0	3162.8	3306.5	3475.1	3645.9	3666.7	3852.0	4114.4	4337.1
12.5°	2713.1	2698.5	2752.6	2890.0	3092.0	3337.7	3593.8	3620.9	3854.1	4187.2	4499.6
15°	2586.0	2581.9	2604.8	2704.7	2900.5	3189.9	3545.9	3581.3	3881.2	4253.9	4653.6
17.5°	2590.2	2584.0	2581.9	2640.2	2785.9	3079.5	3493.9	3539.7	3904.1	4326.7	4816.0
20°	2771.4	2742.2	2690.2	2663.1	2750.5	3008.7	3458.5	3510.5	3937.4	4403.8	4988.9
22.5°	3150.3	3160.7	3021.2	2875.5	2833.8	3017.1	3454.3	3514.7	4010.2	4524.5	5201.2
25°	3908.2	3891.6	3633.4	3306.5	3079.5	3112.8	3527.2	3600.1	4153.9	4697.4	5401.1
27.5°	4857.7	4872.3	4518.3	3997.8	3523.0	3310.6	3660.4	3733.3	4320.5	4805.6	5534.4
30°	5892.5	5878.0	5499.0	4922.2	4151.8	3639.6	3793.7	3858.3	4403.8	4863.9	5671.8
32.5°	6871.1	6837.8	6463.0	5859.2	4953.5	4158.1	3976.9	4014.4	4514.1	4990.9	5857.1
35°	7706.1	7704.0	7377.1	6733.7	5778.0	4807.7	4291.3	4322.6	4720.3	5192.9	6129.9
37.5°	8568.1	8539.0	8172.5	7585.3	6625.4	5519.8	4772.3	4759.8	5045.1	5490.7	6465.1
40°	9276.0	9257.3	8976.2	8411.9	7506.2	6306.9	5355.3	5317.8	5430.3	5902.9	6931.5
42.5°	9800.7	9802.8	9715.4	9371.8	8439.0	7216.8	6088.2	6029.9	6027.9	6525.5	7547.8
45°	10198.4	10225.5	10356.7	10304.6	9540.5	8276.6	7027.3	6966.9	6864.9	7333.4	8253.7
47.5°	10383.8	10419.2	10814.8	11023.0	10504.5	9328.1	8145.4	8018.4	7818.5	8407.8	9042.8
50°	10365.0	10427.5	10979.3	11612.2	11379.0	10394.2	9363.5	9303.1	8976.2	9544.6	9823.7
52.5°	9940.3	10073.5	10989.7	11970.4	12051.6	11376.9	10623.2	10510.8	10352.5	10731.5	10556.6
55°	8786.7	8949.1	10550.3	12084.9	12576.3	12234.8	11855.8	11764.2	11501.9	11851.7	11195.8
57.5°	8160.0	8299.5	9625.8	12028.7	13021.9	13028.1	12953.1	12878.2	12661.6	12959.4	11945.4
60°	7783.1	7922.6	9132.4	11822.5	13425.8	13865.1	13983.8	13975.5	13663.2	14219.1	12824.1
62.5°	7231.4	7422.9	8618.1	11287.4	13713.1	14689.7	15047.8	14991.6	14643.9	15530.9	13694.4
65°	6117.4	6284.0	7564.5	10404.6	13544.5	15372.6	16201.3	16230.5	15828.6	16765.6	14381.5
67.5°	4289.3	4412.1	5684.3	8551.4	12399.3	15597.5	17381.9	17379.8	16694.8	17398.6	14077.5
70°	2486.1	2654.8	3358.5	5286.6	9646.7	14575.2	17558.9	17619.3	16342.9	16076.4	11649.7
72.5°	962.0	1101.5	1903.1	2808.8	5030.5	11164.6	15104.0	15281.0	13677.7	12401.4	8107.9
75°	287.3	320.7	895.3	1495.0	2019.7	5392.8	10225.5	10275.5	9382.2	7735.2	4156.0
77.5°	214.5	237.4	391.4	755.8	707.9	1634.5	5290.8	5778.0	4980.5	2763.0	1145.2
80°	145.8	172.8	279.0	368.5	262.4	435.2	1486.7	1632.4	1520.0	620.5	287.3
82.5°	64.5	83.3	197.8	185.3	95.8	124.9	458.1	487.2	314.4	187.4	99.9
85°	6.2	8.3	75.0	81.2	35.4	29.2	95.8	95.8	68.7	64.5	41.6
87.5°	0.0	0.0	2.1	4.2	4.2	6.2	8.3	10.4	12.5	16.7	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8	4099.8
2.5°	4137.3	4112.3	4143.5	4168.5	4174.7	4128.9	4101.9	4062.3	4054.0	4056.1	4045.6
5°	4193.5	4181.0	4203.9	4176.8	4106.0	3972.8	3858.3	3731.2	3662.5	3623.0	3618.8
7.5°	4297.6	4291.3	4266.4	4143.5	3922.8	3627.1	3341.9	3062.9	2890.0	2827.6	2817.2
10°	4451.7	4439.2	4337.1	4045.6	3575.1	3006.6	2527.7	2128.0	1884.4	1813.6	1726.1
12.5°	4628.7	4603.7	4380.9	3835.3	3050.4	2263.3	1665.7	1218.1	1007.8	945.3	945.3
15°	4799.4	4745.3	4355.9	3487.6	2404.9	1472.1	930.7	703.8	639.2	622.6	622.6
17.5°	4974.3	4870.2	4258.0	3012.9	1661.6	870.3	620.5	576.8	568.4	570.5	572.6
20°	5138.8	4976.4	4085.2	2442.4	1059.8	608.0	555.9	545.5	541.4	545.5	543.4
22.5°	5317.8	5074.2	3822.9	1819.8	689.2	547.6	528.9	520.5	516.4	522.6	522.6
25°	5494.8	5145.0	3475.1	1224.3	547.6	510.1	499.7	491.4	487.2	489.3	489.3
27.5°	5586.4	5118.0	3019.1	780.8	491.4	472.7	462.2	451.8	445.6	443.5	445.6
30°	5648.9	5034.7	2461.1	555.9	445.6	422.7	412.3	403.9	387.3	376.9	381.0
32.5°	5746.8	4951.4	1855.2	466.4	408.1	372.7	356.1	335.2	312.3	301.9	301.9
35°	5863.4	4836.9	1301.4	420.6	368.5	331.1	299.8	264.4	237.4	229.0	229.0
37.5°	6017.5	4728.6	866.2	389.4	335.2	295.7	251.9	210.3	181.1	177.0	174.9
40°	6248.6	4637.0	610.1	366.5	306.1	258.2	206.1	162.4	141.6	135.3	135.3
42.5°	6548.4	4543.3	483.1	343.6	281.1	222.8	164.5	129.1	112.4	108.3	106.2
45°	6919.0	4432.9	420.6	322.7	256.1	185.3	131.2	108.3	95.8	91.6	91.6
47.5°	7320.9	4283.0	391.4	295.7	227.0	149.9	110.4	93.7	87.5	85.4	83.3
50°	7716.5	4081.0	366.5	270.7	193.6	122.8	95.8	85.4	81.2	79.1	79.1
52.5°	8062.1	3845.8	335.2	241.5	158.2	106.2	85.4	79.1	75.0	70.8	68.7
55°	8357.8	3589.7	295.7	208.2	129.1	93.7	79.1	72.9	68.7	64.5	62.5
57.5°	8738.8	3443.9	237.4	168.7	106.2	83.3	72.9	66.6	62.5	56.2	56.2
60°	9161.5	3337.7	177.0	133.3	91.6	77.0	66.6	60.4	56.2	50.0	50.0
62.5°	9500.9	3179.5	139.5	108.3	79.1	68.7	60.4	54.1	50.0	43.7	43.7
65°	9630.0	2852.6	114.5	85.4	64.5	60.4	54.1	50.0	43.7	37.5	37.5
67.5°	9047.0	2198.8	95.8	68.7	54.1	52.1	47.9	45.8	37.5	33.3	31.2
70°	7164.7	1340.9	79.1	56.2	45.8	43.7	43.7	39.6	33.3	31.2	29.2
72.5°	4909.7	691.3	64.5	45.8	39.6	39.6	37.5	35.4	31.2	29.2	29.2
75°	2550.7	231.1	50.0	35.4	31.2	33.3	33.3	31.2	29.2	29.2	27.1
77.5°	730.8	104.1	37.5	27.1	25.0	25.0	27.1	27.1	27.1	25.0	25.0
80°	189.5	60.4	27.1	20.8	20.8	20.8	20.8	22.9	25.0	22.9	22.9
82.5°	77.0	33.3	18.7	16.7	16.7	16.7	16.7	18.7	20.8	20.8	20.8
85°	47.9	16.7	14.6	14.6	14.6	12.5	12.5	14.6	14.6	16.7	16.7
87.5°	29.2	12.5	12.5	12.5	12.5	10.4	10.4	10.4	10.4	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)